INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/33260

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12N 15/85, 15/86, 15/00; C12P 21/00; A61K 38/19 US CL : 435/325, 326, 70.1, 69.1; 514/2 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED					
<u> </u>		classification symbols)			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/325, 326, 70.1, 69.1; 514/2					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet					
C. DOCU	MENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap		Relevant to claim No.		
Y,T	US 6,517,830 (LOLLAR et al.) 11 February 2003 (11.	02.2003), column 9, lines 25-55.	9, 19-20, 27-28, 43		
х — Y	KOBAYASHI et al. Improvement in the differentiated hepatic phenotype of immortalized human hepatocytes by adenovirus mediated p21 gene transfer. ASAIO J. January 2002, Vol. 48, pages 355-359, especially pages 355, 357, 358, 359.		1-8, 10-18, 22-26, 29, 35-36, 39-42, 44-45		
1	46, pages 333-337, especially pages 333, 337, 336, 32	·	9, 19-20, 27, 28, 43		
Y	LUCAS et al. High-level production of recombinant proteins in CHO cells using a dicistronic DHFR intron expression vector. Nuc. Acids Res. October 1996, Vol. 24, pages 1774-1779, especially pages 1775 and 1778.		32-33		
Y	MILLS et al. Induction of drug metabolism enzymes a hepatocyte cell line. J. Pharmac. Exp. Therapeut. Janu especially pages 303 and 304.	LS et al. Induction of drug metabolism enzymes and MDR1 using a novel human atocyte cell line. J. Pharmac. Exp. Therapeut. January 2003, Vol. 309, pages 303-309, scially pages 303 and 304.			
Y	JANSSEN et al. Expression of inter-alpha-trypsin inhistimulated gene 6 in renal proximal tubular epithelial 2001, Vol. 60, pages 126-136, especially pages 127-1	9,43			
M Frank	documents are listed in the continuation of Box C.	See patent family annex.	<u> </u>		
) 		"T" later document published after the inte	mational filing date or priority		
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be		date and not in conflict with the applic principle or theory underlying the inve	ation but cited to understand the		
of particular relevance "E" earlier application or patent published on or after the international filing date		"X" document of particular relevance; the considered novel or cannot be conside when the document is taken alone	claimed invention cannot be red to involve an inventive step		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination			
"O" documen	t referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in th	e art		
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent	family		
Date of the actual completion of the international search		Date of mailing of the international search report Supply			
	(06.07.2005)	Authorized officer - 7/1/11/1/	// /		
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US		Mun mac			
Commissioner for Patents		Ramin (Ray) Akhavan			
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/33260

C. (Continu	nation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	US 6,806,351 (RUBEN et al.) 19 October 2004 (19.10.2004)	
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INTERNATIONAL SEAR	CH REPORT	International application No. PCT/US04/33260		
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Continuation of B. FIELDS SEARCHED Item 3: JPO, EPO, USPAT, USPGPUB, DERWENT, MEDLINE, EMBASE, BIOSIS: hepatocyte, immortalized, eukaryote, CHO, cell culture, COS, protein expression, expression vector, adenovirus, factor VIII, factor IX, p21, p53, Rb, inter.alpha.trypsin inhibitor, Lalpha.I, liver disease, protein processing, post translational modification, large T antigen, small T antigen, Fa2N, Ea1C, AMBP, H1, H2 and H3, dual or co-transfection, transformed, transduced.				
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